



EMS



Indiana State Department of Health



Jan R. Kornilow MD, FACEP, FAAEM

- ❖ Assistant Professor of Clinical Emergency Medicine Indiana University
- ❖ Indiana University Health Ball Memorial Hospital
- ❖ Attending Emergency Physician
- ❖ Wound Healing Center Panel Physician
- ❖ EMS Medical Director
- ❖ E-911 Communications Medical Director





QUESTION

As a Medical Director of an EMS service, you should have communication with staff at least how often?

- a. Yearly, only to sign forms
- b. Monthly
- c. Weekly
- d. Daily
- e. As frequently as necessary



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DIAL 911



WE STILL MAKE HOUSE CALLS





Indiana Trauma Center Access: Areas Within a 45-Minute Drive



45-Minute Accessible Trauma Center*

45-Minute Accessible Areas



Traveling at Posted Speed

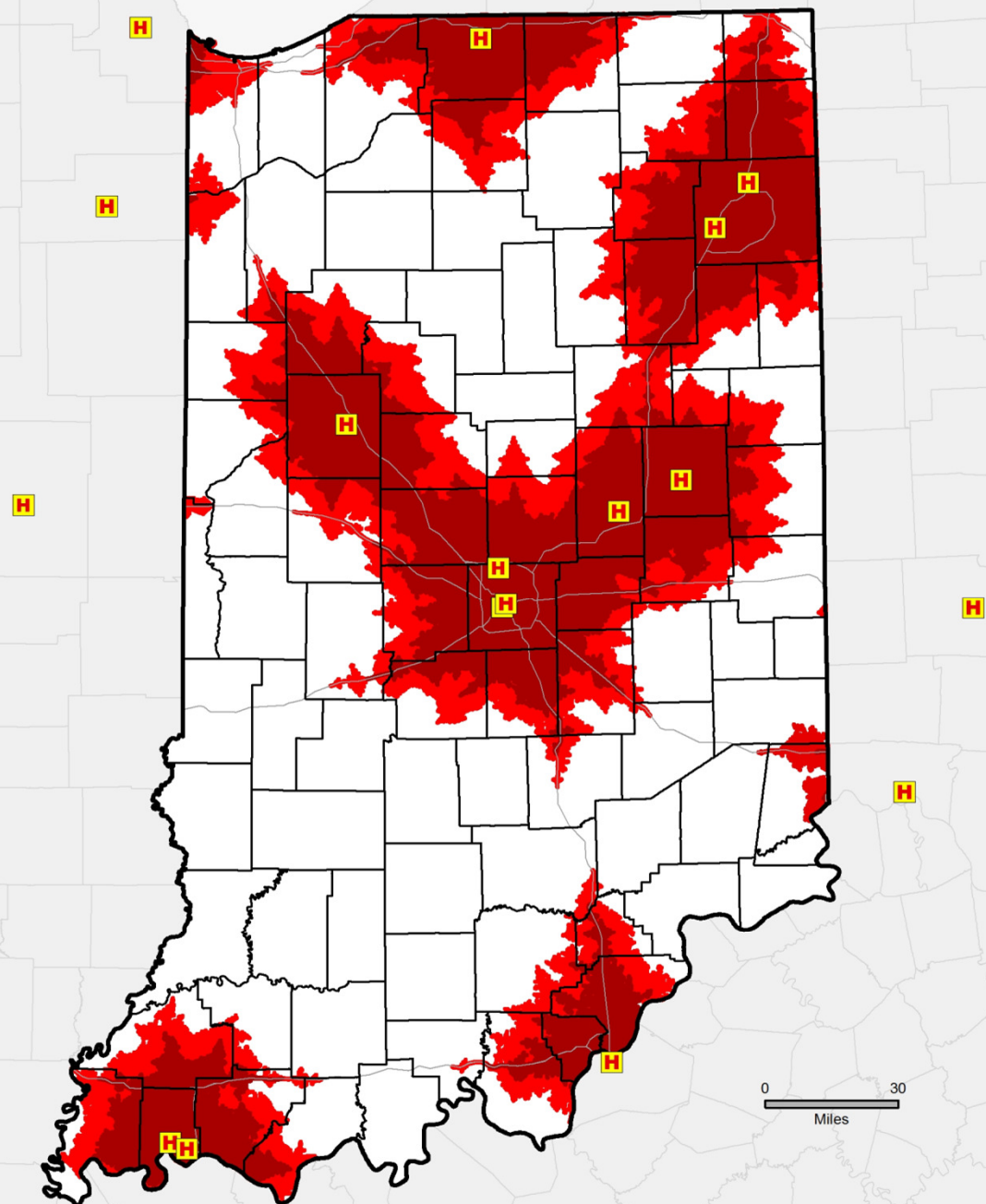


High Traffic Simulation:
Traveling < 10 mph posted speed

	45-Minute Coverage (at posted speed)		State Total
	n	% of state	n
Land Area	12,420 sq mi	34%	36,397 sq mi
Population	4,341,679 people	67%	6,483,802 people
Interstates	1,243 miles	77%	1,614 miles

* Considered a trauma center for purposes of the triage and transport rule.

Travel times are calculated with 2010 Indiana street network reference data published by Esri. Portions of travel times for out-of-state roadways are estimated using Google Maps. Travel times do not take into account current traffic volume or restrictions. Populations are calculated from the 2010 U.S. Census Block summary geography. The method used to determine the population within 45 minutes should be considered a conservative estimate. Interstate mileage is an estimate and does not include the new I-69.



Map Author: ISDH ERC Public Health Geographics - January, 2014



Rural Demographics

- 80% of land in the US
- 20% of US population
 - 29 States have ~ 33% of their population classified as rural
- Physician Coverage
 - 40% of the rural population lives in an underserved area
 - 10% of all physicians practice in a rural setting
 - 10% medical specialists
 - 243 counties in the US do not have a physician





Rural Demographics

- Rural Demographics
 - Traffic fatalities
 - 60% of all motor vehicle deaths occur in rural areas
 - 4 times as likely to die in head on collision on rural roads
 - Rural roads compromised only 28% of vehicle miles traveled
 - ~ 30% of fatal traffic accidents the patient did not reach a hospital within one hour
 - Inevitable time loss in response and transport
 - greater risk of permanent injury or death
 - Safety belt usage and impaired driving rates were similar





KURT HOSTETLER / THE STAR PRESS

ZELDA NADINE STANSFIELD'S car ended up on the brick wall that makes up part of the entrance to Saddle Brook subdivision on Monday afternoon after leaving Morrison Road while traveling north.

Woman hurt in Morrison Road crash

By NICK WERNER
nwerner@muncie.gannett.com

MUNCIE — A woman was flown by helicopter to Methodist Hospital in Indianapolis after she crashed her car through a brick subdivision entrance wall

along Morrison Road on Monday afternoon.

Police are investigating whether alcohol was a factor in the crash that left Zelda Nadine Stansfield, 47, 405 S. Morrison Road, with head injuries.

"We are waiting for the results

from the blood tests," said David Hanauer, a Delaware County sheriff's deputy.

A motorist called police before the crash to warn that a car matching the description of Stansfield's vehicle was traveling erratically, Hanauer said. The

woman smelled like alcohol when emergency crews arrived at the scene, he added.

The crash happened around 12:45 p.m. at Saddle Brook subdivision north of Jackson Street.

The northbound car knocked the top half of the wall off and

came to a rest on top of the structure so that undercarriage was visible to motorists on Morrison Road.

Stansfield was most likely not wearing a seat belt, Hanauer said.

■ Contact news reporter Nick Werner at 213-5832.

Cyclist dies after collision with semi

Two other accidents in East Central Indiana left three injured Wednesday



MEMBERS OF DELAWARE COUNTY EMS and Gaston and Muncie fire departments extracted the driver of this car after it collided with a tree Wednesday morning.

KURT HOSTETLER / THE STAR PRESS

By RIC ROUTLEDGE
ricroutledge@hotmail.com

MONTPELIER — The city's first auto-related fatality in five years took place Wednesday afternoon when a 67-year-old bicyclist rode into the side of a semi-tractor pulling a trailer full of grain.

Ross L. Valentine, 224 E. Vine St., Montpelier, had apparently just left a store with a sack of groceries, according to Montpelier police officer Matt Mansfield.

Valentine rode into the intersection of Main and Bryce streets and struck

the fuel tank on the semi-tractor's driver's side, Mansfield said. Valentine was knocked off of his mountain bike and fell under the wheels of the trailer, according to the officer.

The truck was driven by Teddy D. Tarr, 56, 2203 E. Blackford County Road 200-S, Hartford City. As of Wednesday evening, no criminal charges were pending against Tarr, according to Indiana State Trooper Shaun Armes. Tarr was cited by the Motor Carrier Inspector for commercial motor vehicle violations.

➤ See VICTIM, 7A

Muncie teen flown to Indy hospital

By NICK WERNER
nwerner@muncie.gannett.com

MUNCIE — Two Delaware County car accidents Wednesday morning sent three people to the hospital, including a Muncie teenager who was flown to Indianapolis with serious injuries.

Andrew A. Nickerson, 18, 2411 W. Godman Ave., suffered head and internal injuries and several broken bones after striking a tree about 10 a.m. on Delaware County Road 600-

W just north of Bethel Avenue, according to police.

The crash was still under investigation Wednesday afternoon.

"There's a lot of deer in there," Delaware County sheriff's deputy Tom Green said. "He could have fallen asleep at the wheel. We just don't have a clue."

Nickerson was driving a convertible and had to be cut from the car by emergency workers.

➤ See TWO, 7A

Four Hurt In Three-Vehicle Accident



MUNCIE FIRE AND EMERGENCY personnel treat accident victim Laura Cooper, of Muncie, after a three-vehicle accident about 4:15 p.m. Friday at 10th Street and Hoyt Avenue. According to city police officer Brad Clark, Cooper's northbound minivan was struck by an eastbound vehicle driven by Charles Schwartz, Greenville, N.C. The minivan then collided nearly head-on with a southbound vehicle driven by Steve Savage, Farmland. Savage, Cooper and three passengers in her van were treated at Ball Memorial Hospital. Their injuries were not believed to be life-threatening, authorities said.

MELANIE MAXWELL / THE STAR PRESS



QUESTION

When arriving at a scene in progress, as medical director (assuming all EMS staff know you) you should do the following:

- a. Immediately take over all care and treatment
- b. Stand back and watch
- c. Ask what if any assistance is needed and what can you do to help
- d. Text on your phone



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UNDERCOVER
BOSS

Police chief's brother hurt in accident

■ Firefighter Jonathon Winkle was flown to Methodist Hospital for emergency surgery Thursday afternoon.

By T.J. WILHAM
tjwilham@thestarpress.com

MUNCIE — An off-duty Muncie firefighter — the brother of Police Chief Joe Winkle — was critically injured Thursday when his pickup truck struck a metal guardrail on the Bypass.

Shortly after the crash, Jonathon Winkle, 40, was flown to Methodist Hospital in Indianapolis, where he was undergoing emergency surgery late Thursday.

Police said he had suffered life-threatening injuries.

Witnesses told police that Jon Winkle was headed east on the Bypass about 1:30 p.m., weaving in and out of traffic when he went off the right side of the road, overcorrected and lost control of his pickup.

Winkle then “catapulted” across both lanes and hit a guardrail that protects a concrete pillar supporting the Walnut Street bridge, Delaware County Police Lt. Arlan Johnson said.

Winkle, who was not wearing a seat belt, was thrown through the passenger’s window and into a guardrail.

The collision shattered a watermelon in the cab of the pickup.

Johnson said he did not know why Winkle went off the right side of the road or why he was weaving in and out of traffic.

A speed test revealed that he was traveling 5 mph over the posted speed limit when he lost control.

“I don’t know if he was impatient or had someplace to be,” Johnson said.

After the crash, an ambulance that was traveling on the bypass came across the wreckage.

Emergency workers immediately started to assist Winkle and called for Delaware County paramedics.



KYLE EVENS / THE STAR PRESS
RESCUE WORKERS prepare to transport Jonathon Winkle to the hospital after his truck crashed into a concrete bridge support in the median of the Muncie Bypass at the Walnut Street overpass.

➤ See **CHIEF**, 5A



VIGNETTE

- Just started as Medical Director
- Sitting around watching TV and discussing needs and wants
- Consensus everything is fine
 - Nobody thinks anything needs changed
 - No complaints
 - Protocols “adequate”
 - Can get by and manage with what we have



QUESTION

What is the best way to observe and implement changes to the treatment that patients get in the prehospital arena?

- a. Ask for verbal recommendations at A&R
- b. Ask for written recommendations
- c. Ask staff individually in private to avoid repercussions
- d. Spend time actively engaged in prehospital scene care with crews



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VIGNETTE

- MVA
 - 40 y/o male
 - ~ 70 mph
 - Hit bridge support head on
 - Ejected found in ditch
- Physical Exam
 - GCS=4
 - Clenched Jaw snoring respirations
 - Minimal facial injuries marked neck injuries



VIGNETTE

- Treatment
 - IV, 100% NFRM
 - Unable to ventilate BVM
 - Attempts at intubation unsuccessful due to inability to relax clenched jaw
 - All drugs used on two squads still no success



VIGNETTE

- Treatment
 - I arrive on third truck
 - Medic looks up at me and says “I used everything I got but can’t open his jaw”
 - Patient oxygen desats due to meds
 - Administered the remainder of drugs of third squad
 - Able to intubate successfully



VIGNETTE

Lessons learned

#1 Know what you don't know

#2 Implementation of increased education,
increased skills, and RSI

#3 Research and demographics

#4 Outreach

